

Date: Thu, 28 Jul 94 03:09:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #847
To: Info-Hams

Info-Hams Digest Thu, 28 Jul 94 Volume 94 : Issue 847

Today's Topics:

 Comet Miracle Baby CH-32 (3 msgs)
 Good day to you all
 IPS Daily Report - 27 July 94
 Mounting HT to Mountain Bike ???
 NM Ham Plates?
Non-hams and Gateways between Packet and the Internet
 Q: Study material for blind would-be ham
 Ramsey SlyFox
 REQUEST: Help finding WWV receiver! (4 msgs)
 Suggestions for 2M & 70 CM base station antenna
 Wanted, Kenwood RZ-1 mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 27 Jul 1994 15:58:05 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Comet Miracle Baby CH-32
To: info-hams@ucsd.edu

In article <CtLz4D.A9w@hpcvsnz.cv.hp.com>, davidc@lsid.hp.com (David Cook)
writes:

I read that it gives good coverage in close areas such as hamfests,
cityfests, etc. Don't expect <miracles> from it, it won't work as good(?)
as a rubber duck.

Warren Whitby
wwhitby@aol.com
73s de KE4ITL

Date: Wed, 27 Jul 1994 16:57:48 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!spool.mu.edu!news.clark.edu!
netnews.nwnet.net!reuter.cse.ogi.edu!hp-cv!hp-pcd!hpcvsnz!davidc@ames.arpa
Subject: Comet Miracle Baby CH-32
To: info-hams@ucsd.edu

What kind of experiences has anybody had using Comet's CH-32 Miracle Baby HT antenna? I know it won't give me the same performance as the already inefficient stock rubber duck that came with my HT but what can I reasonably expect? Can I accomplish at 2 watts with the CH-32 what I can now do with 5 watts and my stock rubber duck or is the CH-32 a real dummy load?

Dave, KB7QCL

Date: 28 Jul 1994 02:39:42 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!ulowell!vtc.tacom.army.mil!news1.oakland.edu!
vela.acs.oakland.edu!prvalko@network.ucsd.
Subject: Comet Miracle Baby CH-32
To: info-hams@ucsd.edu

As I understand it, Comet calls it a Miracle Baby because if you can hit a repeater with it, it's a miracle, baby.

Try a 50 ohm resistor with shrink tube around it.

73, =paul= wb8zjl

Date: 28 Jul 94 17:52:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Good day to you all
To: info-hams@ucsd.edu

Hi all,
I have been reading the notes within the info-hams digest as posted on Genie, and thought of saying good day to all of you.

I am a ham living in Brussels, Belgium, working for the European Commission. I hold calls from the US (KC1QF), Ireland (EI4GV), Greece (SV0GV) and Belgium (ON9CGV). I am pretty active in supporting ham radio here and liaise with the ARRL often enough via e-mail. For those that are interested to what I look like, see Up front in QST July 91, Feb 94 and upcoming Nov 94.

Now onto the business of replying to some of the questions I have seen in info-hams.

>> 1750 HZ tone in Europe.

Today, there is no reason on the use of this tone and in fact, although it is a legal requirement, most repeaters owners are starting to ignore it. It was there to trigger a repeater upon demand by hams, so that others without the 1750Hz tone could not accidentally fire repeaters. In many countries in Europe (Belgium, The Netherlands, UK) you can just whistle in the mike to turn it on. In Greece, Ireland and Italy, you either dont need it, or you can use a CTCSS of 88.4 to activate it. In addition, as we have less frequency available (when will the IARU start doing something about this and ensure the world has the same ham radio allocations?) we also have less repeater frequencies in channelized areas. R0 to R7 (145.600 to 145.775 every 25KHz) and in some areas, R8 to R15 (145.612.5 to 145.787.5 every 25KHz). Thats it. So you can imagine we have run out of places for 2 meter repeaters.

>> Expanding amateur radio in Europe. Lets face it. For those that dont know, amateur radio in Europe will get nowhere as it is. The national authorities, and I have met many of them, just think we are a bunch of enthusiasts who just use radio to pass the time and provide no useful service. Yes this is true. We cant provide any useful service because we are not allowed to. Noone can go to the Telecom authorities and say 'I want more frequency because...' after the 'because' there is nothing to put in. There is no third party, thus we cant help anyone. Therefore we cant go and say, as US hams so succesfully do, we are ready to provide community service, or to do whatever we can for our neighbors. They will tell, as they have done, thank you but remember you are not allowed.

I find it hard to believe that in this day and age, third party is such a forbidden word, in mainland Europe when Bosnia concludes third party agreements with the US in a jiffy (if anyone knows how that was done please tell me).

The fact is that for the radio amateur service to grow, three things must be done here:

- Help us help the communities
- Establish a volunteer identity for us (Europeans by nature dont volunteer much)
- Realize we can do much more that you give us credit

Lets get the IARU societies, the ones we give lost of money to receive a black and white magazine every month (about \$50 / year)(with the only pictures in color being ads), to push the authorities to
1/expand out frequency bands (get 146-148 as secondary), get 6900 to 7100 and more;
2/ allow us to help the governments by providing public communications service (and thereby saving the governments money - saving is the important word here) and
3/ get young children into ham radio more and more by setting up stations with boy scouts, in public places and more.

As far as I am concerned, I am a VE and hold test sessions every three months here under the US system. I liaise with boy scouts and try to spread the ham radio word as much as I can.

If you are still with me, and you have any questions, on operating in Europe, licenses, rules, why is the TS50S such a great radio, etc, I will gladly help.

Thanks,
Peter Panayotis Vekinis, KC1QF

PS To the Editor: Is there a way to receive info-hams without going to Genie, perhaps sent to my email address? We dont have full access to Internet yet here. Tnx

Date: Wed, 27 Jul 1994 23:34:27 GMT
From: ihnp4.ucsd.edu!munnari.oz.au!bunyip.cc.uq.oz.au!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!rwc@network.ucsd.edu
Subject: IPS Daily Report - 27 July 94
To: info-hams@ucsd.edu

Flares: None

Observed 10.7 cm flux/Equivalent Sunspot Number : 074/011

GOES satellite data for 26 Jul

Daily Proton Fluence >1 MeV: No data
Daily Proton Fluence >10 MeV: No data
Daily Electron Fluence >2 MeV: No data
X-ray background: No data

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	28 Jul	29 Jul	30 Jul
Activity	Very low	Very low	Very low

Fadeouts None expected None expected None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 28 Jul: 075/012

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: Quiet to unsettled with active levels from 03-06 UT.

Estimated Indices :	A	K	Observed A Index 26 Jul
Learmonth	12	2432 1233	
Fredericksburg	10		05
Planetary	12		06

Observed Kp for 26 Jul: No data

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
28 Jul	10	Quiet to unsettled
29 Jul	10	Quiet to unsettled
30 Jul	10	Quiet to unsettled

COMMENT: IPS Geomagnetic Warning 1 was issued on 20 July and is current for interval 24-29 July.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
27 Jul	normal	normal	fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
28 Jul	normal	normal	fair
29 Jul	normal	normal	fair-normal
30 Jul	normal	normal	fair-normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
27 Jul	29	Near predicted monthly values with spread F observed 17-20 UT.

Predicted Monthly T-index for July: 30

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
28 Jul	30	Near predicted monthly values

29 Jul 30 Near predicted monthly values
30 Jul 30 Near predicted monthly values

--

IPS Regional Warning Centre, Sydney |IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329 |PO Box 5606
Recorded Message tel: +61 2 4148330 |West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331 |AUSTRALIA

Date: 27 Jul 94 10:19:32 EDT
From: psinntp!main03!landisj@uunet.uu.net
Subject: Mounting HT to Mountain Bike ???
To: info-hams@ucsd.edu

In article <1994Jul25.124502.235@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> In article <kleite-240794211136@155.95.178.238> kleite@sentry.ndhm.gtegsc.com (Keith J. Leite) writes:
>>Hi,
>> And thanks for reading my post, I recently just bought a Mountain bike and
>>have been doing alot of back woods riding. I have not been carrying my HT,
>>because I wanted to figure out a way to mount it to the bike. I was
>>wondering if any of you out there have done this and if so if you could
>>shoot some idea's this way.
>>
>> I was thinking of something on the handle bars , I am using the Yaesu
>>FT-470. Is there some kinda bracket that can be attached ??? maybe with
>>some velcro ???
>>I think it would be a good idea to carry something into the woods just for
>>emergency sake. Thanks for any help.
>
> The jolting a bike frame gets from off road riding won't be good for
> the radio. I suggest you get a chest pouch for the radio and keep it
> on your body instead. Try to protect it when you fall. :-)
>
I sometimes take mine along. I have a pack that sits on a rear rack. The pack has a top pocket. I put the FT470, enclosed in a "pouch", in the top pocket. A lot of the shock is absorbed by the flexing of the pack. If it's really going to be a rough ride, I'll wrap it in a sweatshirt and put it inside the pack. Havn't had any problems. Or, if 2M is sufficient, I just put my old TH21 in the center back pocket of my jersey.

I had thought about mounting a bnc bulkhead conn. on the rack and putting a rubber duck on it to run mobile with a spkr mic, but haven't tried that yet.

Joe AA3GN

--

Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WA3TSW.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.
...Munging Until No Good...

Date: Wed, 27 Jul 94 11:11:05 MDT
From: elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!
mustang.mst6.lanl.gov!newshost.lanl.gov!usenet@ames.arpa
Subject: NM Ham Plates?
To: info-hams@ucsd.edu

The truck is about \$30.00 for the plates I think \$5.00
or something nominal for callsign plates, regular prestige
plates are only \$15.00. When you go to change your registration
bring any vehicles you are changing with you as they want to
inspect the vin number for the title change. License is about
\$10.00 for four years. Drop me a note telling me where you
are ending up and I'll send you a repeater and net list for
the area you will be in. 73 Jerry KC5EGG

Date: Wed, 27 Jul 94 16:02:47 GMT
From: netcomsv!netcomsv!skyld!janguis@decwrl.dec.com
Subject: Non-hams and Gateways between Packet and the Internet
To: info-hams@ucsd.edu

Greetings one and all. I have been running an e-mail gateway for the past
several years now, and I allow ALL mail to go between the two systems.

For years the standard sendup in QST for field day and other contests has
been to show a picture of a bunch of non-hams gathered around a microphone
and taking turns taking with someone out there at the other end of the RF.
(Odd that you don't see too many non-ham CW ops gathered around a hand key.)

And every month in QST is a write up on NTS traffic handled. I.e., a message
from somebody to somebody else, neither of which *has* to be a licensed
amateur radio operator.

So.... I run my gateway along that same principle. I am passing a message
along for a third party, and possibly to a "fourth" party at the other end.
Pretty simple concept. And I havn't had any problems with it since I've had
the system up and running.

Whether the filter is 1. I grab the microphone away from someone or 2. I tear

up the NTS radio-gram slip or 3. I delete the mail rather than send it, it is (in my opinion) all one and the same as far as message handling. Just a differnt medium in use.

73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM	"You have a flair for adding
Internet: jangus@skyld.grendel.com	a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749	story."
Phone: 1 (310) 324-6080	Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

Date: 27 Jul 1994 21:16:12 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!nic-nac.CSU.net!
channel.ecst.csuchico.edu!olivea!news.hal.COM!darkstar.UCSC.EDU!cats.ucsc.edu!
haynes@network.ucsd.edu
Subject: Q: Study material for blind would-be ham
To: info-hams@ucsd.edu

What do people suggest? Is there lesson material on-line? (he's a computer programmer, so can read ASCII with the aid of one of his aids) Tapes? he was concerned about whether they would be out of date.

--
haynes@cats.ucsc.edu

"Ya can talk all ya wanna, but it's dif'rent than it was!"
"No it aint! But ya gotta know the territory!"
Meredith Willson: "The Music Man"

Date: 27 Jul 1994 17:06:06 GMT
From: sdd.hp.com!spool.mu.edu!howland.reston.ans.net!gatech!news-
feed-1.peachnet.edu!news.duke.edu!godot.cc.duq.edu!nntp.club.cc.cmu.edu!
casaba.srv.cs.cmu.edu!das-news.@@ihnp4.ucsd.edu
Subject: Ramsey SlyFox
To: info-hams@ucsd.edu

In article <CtKs4o.5or@news.Hawaii.Edu> jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:

|In article <h0+RTqi.jramsey@delphi.com> jramsey@delphi.com writes:
|>Cecil, The manual clearly states to spread the coils for max power output. We
|>purposely have the coils wound with a 'tad' too much inductance - it's easier
|>to spread the coils a bit than to have to add more turns!

|
| But John, adding more turns would further increase the inductance:

That was the point.

/JBL KD10N

Date: 27 Jul 1994 20:18:47 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
MathWorks.Com!news.duke.edu!news-feed-1.peachnet.edu!hobbes.cc.uga.edu!
aisun1.ai.uga.edu!mcovingt@network.ucsd.edu
Subject: REQUEST: Help finding WWV receiver!
To: info-hams@ucsd.edu

Saurian (saur@char.vnet.net) wrote:
: Forgive me if one or two of the groups are inappropriate.
: I'm posting this for a freind who doesn't have usenet access.

: ---
: OK, I'm at my wits end. I have tried to locate a WWV receiver
: that is not \$350.00 . I have scanned the ads in SKY&TEL, Astronomy
: and the Ham radio mags for anything concerning a WWV receiver or
: kit. I know Radio Shack used to sell them but THEY DO NOT SELL them
: anymore. There was a review in SKY&TEL (Apr or May 1993)of a receiver
: but I was unable to contact the company.

All shortwave radios get WWV. What's the problem?

--
< Michael A. Covington, Assc Rsch Scientist, Artificial Intelligence Center >
< The University of Georgia, Athens, GA 30602-7415 USA mcovingt@ai.uga.edu >
< Unless specifically indicated, I am not speaking for the University. > <><
For information about any U.Ga. graduate program, email gradadm@uga.cc.uga.edu.

Date: 27 Jul 1994 21:13:27 GMT
From: ihnp4.ucsd.edu!news.cerf.net!mvb.saic.com!MathWorks.Com!yeshua.marcam.com!
charnel.ecst.csuchico.edu!olivea!news.hal.COM!darkstar.UCSC.EDU!cats.ucsc.edu!
haynes@network.ucsd.edu
Subject: REQUEST: Help finding WWV receiver!
To: info-hams@ucsd.edu

In article <316ff7\$8bq@hobbes.cc.uga.edu>,
Michael Covington <mcovingt@aisun1.ai.uga.edu> wrote:

>
>All shortwave radios get WWV. What's the problem?

>
Uh, well, I was thinking about getting a cheap shortwave receiver for that purpose, but notice that some of them conveniently omit 10MHz coverage, and maybe some other usually-reliable frequencies.

Now there is a cheap Ramsey kit SWL receiver; and I got one and put it together, but so far have found it quite difficult to tune in WWV. So I need to figure out a way to use a 10.260MHz xtal to set the L.O. frequency. (which is probably just a matter of taking out their inductor and varicap and putting the xtal in its place, but I haven't tried it yet.)

--
haynes@cats.ucsc.edu

"Ya can talk all ya wanna, but it's dif'rent than it was!"
"No it aint! But ya gotta know the territory!"
Meredith Willson: "The Music Man"

Date: Wed, 27 Jul 94 16:05:34 EDT
From: juniper.almaden.ibm.com!cltvm1.VNET.IBM.COM@uunet.uu.net
Subject: REQUEST: Help finding WWV receiver!
To: info-hams@ucsd.edu

In <3161lg\$5s7@char.vnet.net> Saurian writes:

>---
>OK, I'm at my wits end. I have tried to locate a WWV receiver
>that is not \$350.00 . I have scanned the ads in SKY&TEL, Astronomy
>and the Ham radio mags for anything concerning a WWV receiver or
>kit. I know Radio Shack used to sell them but THEY DO NOT SELL them
>anymore. There was a review in SKY&TEL (Apr or May 1993)of a receiver
>but I was unable to contact the company.

>
I would reccomend getting a cheap shortwave receiver, it ought to be able to pick up WWV. Also you get to listen to Radio Moldavia! You should be able to pick one up for about \$60-70.

Bruce Lambert

Date: 27 Jul 1994 23:52:15 GMT
From: ukma!news-feed-1.peachnet.edu!news.duke.edu!MathWorks.Com!news2.near.net!
bloom-beacon.mit.edu!senator-bedfellow.mit.edu!news.mit.edu!monta@seismo.css.gov
Subject: REQUEST: Help finding WWV receiver!

To: info-hams@ucsd.edu

saur@char.vnet.net (Saurian) writes:

> OK, I'm at my wits end. I have tried to locate a WWV receiver
> that is not \$350.00
>
> But seriously I am in a real fix. I am getting serious
> about Lunar Occultations (for people in the radio news groups this
> activity requires precise timings recorded with the WWV signal in
> the background as a time reference) ...

Just a reminder that general-coverage shortwave receivers make reasonable WWV boxes. They may not have as much front-end filtering as a dedicated receiver, but they work fine. Surely the cheapest ones are <<\$350.

Also, for occultation timings, you probably don't need much better than 0.1 second accuracy. One alternative to recording WWV itself, in real time, is to record some signal from a clock that you carefully set before the session. Since you mention kits in the posting, you might consider cobbling together a time base and a microcontroller that outputs audio-time in some reasonable format.

Peter Monta monta@image.mit.edu
MIT Advanced Television Research Program

Date: 27 Jul 1994 20:30:34 GMT
From: pa.dec.com!src.dec.com!src.dec.com!ira@decwrl.dec.com
Subject: Suggestions for 2M & 70 CM base station antenna
To: info-hams@ucsd.edu

I want to put up a decent base station vertical antenna to cover the 2M and 70CM bands. The large number and price spread is rather overwhelming. Could I have suggestions from people on a decent one to start with? Thanks.

73,
Ira
KE6KHT

Date: Wed, 27 Jul 94 16:45:25 PDT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!eff!news.kei.com!ssd.intel.com!chnews!news@network.ucsd.edu
Subject: Wanted, Kenwood RZ-1 mods

To: info-hams@ucsd.edu

Does anyone have "any" mods for the Kenwood RZ-1 scanner?
If so, I would appreciate copies of them.

Thanks, Tom WB7ASR...
tom_boza@ccm.hf.intel.com

Date: Wed, 27 Jul 1994 22:15:26 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
To: info-hams@ucsd.edu

References <h0+RTqi.jramsey@delphi.com>, <CtKs4o.5or@news.Hawaii.Edu>,
<LEVIN.94Jul27130606@cassandra.bbn.com>
Subject : Re: Ramsey SlyFox

In article <LEVIN.94Jul27130606@cassandra.bbn.com> levin@bbn.com (Joel B Levin)
writes:

>In article <CtKs4o.5or@news.Hawaii.Edu> jeffrey@kahuna.tmc.edu (Jeffrey Herman)
writes:

>|In article <h0+RTqi.jramsey@delphi.com> jramsey@delphi.com writes:

>|>Cecil, The manual clearly states to spread the coils for max power output. We

>|>purposely have the coils wound with a 'tad' too much inductance - it's easier

>|>to spread the coils a bit than to have to add more turns!

>|

>| But John, adding more turns would further increase the inductance:

>

>That was the point.

I believe you missed the point.

He said "it's easier to spread the coils a bit than to have to add more
turns" - those two concepts work opposite each other. I think he meant
to say "it's easier to spread the coils a bit than to have to REDUCE
the number of turns", either of which would reduce the inductance.

Jeff NH6IL
jeffrey@math.hawaii.edu

End of Info-Hams Digest V94 #847
